**Cycle 2**

Pure uranium rod

MNDBR uniform: 1.464

MNDBR non-uniform: 1.371

Maximum Temperature of the Fuel: 2733.02 K @

This occurs ~ 2.39 m above the bottom of the core

Pressure Drop along the subchannel: 76 kPa (negligible compared to total pressure)

Max Coolant Temperature = 609.0 K

Max Cladding Temperature = 707.4 K

FQ = 2.2963

FZ = 1.524

FR =

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6.16907 | 6.00325 | 5.64644 | 6.7617 | 5.91837 | 5.01455 | 7.76525 | 4.74727 | 7.286 | 3.65497 |
| 3.64575 | 2.71815 | 2.65376 | 3.24487 | 2.35846 | 2.7947 | 2.46147 | 2.53898 | 3.39885 | 2.49154 |

FNΔH = 1.5067





